

3. The system according to claim 1 wherein said wireless local area radio transmits and receives in accordance with a schema that is the same as a schema of a network access interface device that is coupled to a cable.

4. The system according to claim 1, where said local area radio is adapted to transmit and receive signals from space within a building, further comprising an electronic device capable of transmitting and receiving the at least one broadband radio signal to and from the local area radio and a data communication source outside said building.

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Cont.
5. The system according to claim 4, wherein such transmission and reception of the at least one broadband radio signal by the electronic device to and from the integrator and the outside data communication source is based upon at least one of a signal strength measurement and a channel interference measurement for each of the integrator and outside data communication source.

6. The system according to claim 5, wherein the signal strength measurement and the channel interference measurement for each of the integrator and the outside data communication source are compared, and from this comparison a determination of whether a transmission/reception crossover should be effected is carried out.

7. The system according to claim 1, wherein the at least one broadband radio signal may be either analog or digital in nature.

8. A system for integrating fixed wireless broadband access and a wireless local area radio network, comprising:

a broadband signal conduit over which communication data of said broadband access is transmitted and received; and

an integrator coupled to said conduit, comprising:

an RF processing component that processes the communication data;

a modulator/demodulator component for modulating/demodulating the communication data; and

a wireless local area radio for transmission and reception of the communication data.

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Delete claims 9 and 10.

11. The system according to claim 8, where said local area radio is adapted to transmit and receive signals from space within a building, further comprising an electronic device capable of transmitting and receiving the communication data to and from the local area radio and a data communication source outside said building.

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12. The system according to claim 11, wherein such transmission and reception of the communication data by the electronic device to and from the integrator and the outside data communication source is based upon at least one of a signal strength measurement and a channel interference measurement for each of the integrator and outside data communication source.

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13. The system according to claim 12, wherein the signal strength measurement and the channel interference measurement for each of the integrator and the outside data communication source are compared, and from this comparison a determination of whether a transmission/reception crossover should be effected is carried out.

14. The system according to claim 8, wherein the at least one communication data may be either analog or digital in nature.

15. A method of integrating fixed wireless broadband access and a wireless local area radio network, comprising the steps of:

receiving a fixed wireless broadband signal from outside a building;
demodulating the fixed wireless broadband signal, processing the demodulated signal, and re-modulating the processed demodulated signal; and
transmitting the re-modulated signal between a wireless local area radio and an electronic device within said building.

16. The method according to claim 15, wherein the step of receiving is performed on signals received by an antenna, or a satellite dish.

17. The method according to claim 15, wherein transmission of the at least one

broadband radio frequency signal between the wireless local area radio and the electronic device is through a local area antenna.

18. The method according to claim 15, wherein the steps of processing, modulating/demodulating and transmitting the at least one broadband radio frequency signal are performed by an integrator.

19. The method according to claim 18, wherein the integrator may receive a signal from the electronic device for transmission by at least one of an antenna, a satellite dish and a cable.

20. A method of integrating fixed wireless broadband access and a wireless local area radio network, comprising the steps of:

determining a signal strength and a channel interference of a first signal channel source of at least one broadband radio frequency signal;

identifying a second signal channel source for the at least one broadband radio frequency signal;

determining a signal strength and a channel interference of the second signal channel source;

determining whether the second signal channel source is better than the first signal channel source; and

effecting crossover if it is determined that the second signal channel source is better.

21. The method according to claim 20, further comprising the step of:
interrogating an electronic device to pass information relating to the at least one broadband radio frequency signal.

22. The method according to claim 20, wherein the determination of whether the second signal channel source is better than the first signal channel source is accomplished by a comparison of the signal strength and channel interference of each of the first and the second signal channel sources.

Please add the following claims:

23. The system according to claim 1, further comprising a cable modem